



STIC Search Report

EIC 1700

STIC Database Tracking Number: 165489

TO: Richard Crispino

Location: REM 8D55

Art Unit : 1700

September 13, 2005

Case Serial Number: 10/721023

From: Mrs. Kendra Banks

Location: EIC 1700

REM 4B28

Phone: 571-272-2516

Kendra.Mellerson@uspto.gov

Search Notes

No Cases Reported

US 6,585,806

Mellerson, Kendra

From: Crispino, Richard
Sent: Monday, September 12, 2005 7:35 AM
To: STIC-EIC1700
Subject: litigation search

Please do a litigation search for reissue 10/721,023. The patent number is 6,585,806.

Thank you

Rick Crispino
REM 8D55
SPRE TC 1700

Current session 13/09/2005

Query/Command : N

..FILE / ..INFO / ..GUIDE

Query/Command : FILE PLUSPAT

QUESTEL - Time in minutes : 0,84

The cost estimation below is based on Questel's
standard price list

Estimated cost :	0.90 USD
Cost estimated for the last database search :	0.90 USD
Estimated total session cost :	0.90 USD

Selected file: PLUSPAT

PLUSPAT - (c) Questel-Orbit, All Rights Reserved.
Comprehensive Worldwide Patents database
New Patent Citation Commands & FAM Citation Report - see INFO PATCITE
Announcing enhanced searchability of Relevancy Codes in Search Reports
for EP, WO and FR patents. For more details see below and on QO website
-To retrieve set of high relevancy X coded cited patents, use xctx=yes
-To extract cited patents with only high relevancy code, use mem/xctx
Last update of file: 2005/09/07 (YYYY/MM/DD) 2005-35/UP (last update)

Search statement 1

Query/Command : US6585806/PN

**** SS 1: Results 1**

Search statement 2

Query/Command : PRT FULL NONSTOP LEGALALL

1/1 PLUSPAT - ©QUESTEL-ORBIT - image

PN - US2001052291 A1 20011220 [US20010052291]
PN2 - US6585806 B2 20030701 [US6585806]
TI - (A1) Air dryer reservoir module components
PA - (B2) BENDIX COMMERCIAL VEHICLE SYS (US)
PA0 - Bendix Commercial Vehicle Systems LLC, Elyria OH [US]
PA2 - (B2) BENDIX COMMERCIAL VEHICLE SYS (US)
IN - (A1) GOODELL DAVID J (US); HOFFMAN FRED W (US); QUINN
LEONARD A (US)
AP - US57189700 20000516 [2000US-0571897]
FD - Continuation of: US6074462
Continuation-in-part of: US5917139

PR - US57189700 20000516 [2000US-0571897]
US3058398 19980225 [1998US-0030583]
US99393197 19971218 [1997US-0993931]

IC - (A1) B01D-053/02

EC - B01D-053/04C
B01D-053/26B
B60T-017/00A1
B60T-017/06
F15B-001/26
F15B-021/04K

PCL - ORIGINAL (O) : 095121000; CROSS-REFERENCE (X) : 055DIG017
096113000 096136000 096144000 096147000

DT - Corresponding document

CT - US3080693; US3242650; US3399510; US3464186; US3572008; US3592563;
US3714763; US3831353; US3937622; US4272265; US4285702; US4326489;
US4373938; US4403587; US4504081; US4572725; US4655801; US4658796;
US4713094; US4714483; US4764189; US4892569; US5024687; US5110327;
US5209764; US5286283; US5458676; US5458677; US5522150; US5575541;
US5607500; US5840104; US5851269; US5917139; US5961694; US5980615;
US6074462; US6391098; DE3504884; EP0497570; JP57-47056; JP60-022555;
JP60-064616; JP62-149320
"Brakes of Commercial Vehicles: design and function; test and maintenance
work" by Hans Peter Klug, Second Revised and enlarged edition; Wurzburg
Vogel, 1990 (2 page article with 3 page translation attached).

STG - (A1) Utility Patent Application published on or after January 2, 2001

STG2 - (B2) U.S. Patent (with pre-grant pub.) after Jan. 2, 2001

AB - An air dryer and reservoir assembly for providing compressed air from an air
compressor (20) on a heavy motor vehicle which includes an air dryer (14)
connected to receive compressed air from the air compressor (20) and a
secondary reservoir (12), including an integral purge volume (34), for storing
compressed air which passes through the air dryer (14), with the air dryer (14)
and the secondary reservoir (12) being securely attached to a housing (16) to
form an air dryer reservoir module (10). A primary reservoir (18) for storing
compressed air from the air dryer (14) is located remote from the air dryer
reservoir module (10). A pressure equalizing mechanism (57) is disposed
between the primary reservoir (18) and the secondary reservoir (12) for keeping
pressure in the two reservoirs (12,18) equal. Components located within the
housing (16) control air flow between the air dryer (14) and the primary and
secondary reservoirs (18,12) and also monitor the pneumatic brake system
circuits fed by the primary and secondary reservoirs (18,12).

UP - 2002-02

1 / 1 LGST - ©EPO

PN - US2001052291 A1 20011220 [US20010052291]
US6585806 B2 20030701 [US6585806]

AP - US57189700 20000516 [2000US-0571897]

ACT - 20030430 US/AS-A

ASSIGNMENT

OWNER: HONEYWELL COMMERCIAL VEHICLE SYSTEMS COMPANY
901 C; EFFECTIVE DATE: 19991214
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:ALLIEDSIGNAL
TRUCK BRAKE SYSTEMS COMPANY;REEL/FRAME:013613/0894

20030501 US/AS-A

ASSIGNMENT

OWNER: BENDIX COMMERCIAL VEHICLE SYSTEMS LLC 901
CLEVELAN; EFFECTIVE DATE: 20020111
CHANGE OF NAME;ASSIGNOR:HONEYWELL COMMERCIAL VEHICLE
SYSTEMS COMPANY;REEL/FRAME:013618/0144

20040203 US/RF-A

REISSUE APPLICATION FILED

EFFECTIVE DATE: 20031124

UP - 2005-03

Search statement 2

Query/Command : FILE INPADOC

PLUSPAT - Time in minutes : 0,30

The cost estimation below is based on Questel's
standard price list

Estimated cost :	0.82 USD
Records displayed and billed :	1
Estimated cost :	1.40 USD
Cost estimated for the last database search :	2.22 USD
Estimated total session cost :	3.12 USD

LGST - Time in minutes : 0,03

The cost estimation below is based on Questel's
standard price list

Estimated cost :	0.03 USD
Records displayed and billed :	1
Estimated cost :	0.65 USD
Legal-Status informations :	1
Estimated cost :	0.50 USD
Cost estimated for the last database search :	1.18 USD
Estimated total session cost :	4.30 USD

CRXX - Time in minutes : 0,02

The cost estimation below is based on Questel's
standard price list

Estimated cost :	0.03 USD
Cost estimated for the last database search :	0.03 USD
Estimated total session cost :	4.33 USD

LITA - Time in minutes : 0,01

The cost estimation below is based on Questel's
standard price list

Estimated cost :	0.02 USD
Cost estimated for the last database search :	0.02 USD
Estimated total session cost :	4.35 USD

Selected file: INPADOC

You are now connected to INPADOC

Covers 1968/1973 thru weekly updates (2005-36)
For information on content, (..)INFO INPD.

Search statement 1

Query/Command : FAM US6585806/PN

1 Patent Groups

**** SS 3: Results 27**

Search statement 4

Query/Command : FAMSTATE NONSTOP

1 / 27 INPADOC - ©INPADOC

PN - AT 254553 E 20031215 [ATE254553]
TI - VORRATSBEHLTERMODUL FR EINEM LUFTTROCKNER
IN - GOODELL DAVID J [US]; HOFFMAN FRED W [US]; QUINN LEONARD A [US]
PA - BENDIX COMMERCIAL VEHICLES SYS [US]
AP - AT 98963938/98-EP 19981216 [1998EP-0963938]
PR - US 993931/97-A 19971218 [1997US-0993931]
WO 9826658/98(US)-W 19981216 [1998WO-US26658]
IC - B60T-017/00

1 / 1 LEGALI - ©EPO

PN - AT254553 T 20031215 [ATE254553]
AP - AT98963938T 19981216 [1998AT-0963938]
ACTE - 20040515 AT/UEP-T [+]
PUBLICATION OF TRANSLATION OF EUROPEAN PATENT
SPECIFICATION
(EP 1037783 0 [EP1037783])
UP - 2004-21

2 / 27 INPADOC - ©INPADOC

PN - BR 9908299 A 20020305 [BR9908299]
TI - Sistema para fornecimento de ar e componentes de mdulo de reservatrio de secador de ar
IN - GOODELL DAVID J; HOFFMAN FRED W; QUINN LEONARD A
PA - ALLIED SIGNAL INC [US]
AP - BR 9908299/99-A 19990225 [1999BR-0008299]
PR - US 30583/98-A 19980225 [1998US-0030583]
WO 9904149/99(US)-W 19990225 [1999WO-US04149]
IC - B60T-017/00; F15B-001/26

1 / 1 LEGALI - ©EPO

PN - BR9908299 A 20020305 [BR9908299]
AP - BR9908299 19990225 [1999BR-0008299]
ACTE - 20050104 BR/B25A-A
ENTRY OF CHANGE OF NAME AND/OR HEADQUARTER AND
TRANSFER OF APPLICATION, PATENT AND CERTIFICATE OF
ADDITION OF INVENTION: TRANSFER GRANTED
BENDIX COMMERCIAL VEHICLE SYSTEMS LLC (US)
UP - 2005-09

3 / 27 INPADOC - ©INPADOC

PN - BR 9813833 A 20040831 [BR9813833]
TI - Mdulo de reservatrio-secador a ar
IN - GOODELL DAVID J; HOFFMAN FRED W; QUINN LEONARD A
PA - ALLIED SIGNAL INC [US]
AP - BR 9813833/98-A 19981216 [1998BR-0013833]
PR - US 993931/97-A 19971218 [1997US-0993931]
WO 9826658/98(US)-W 19981216 [1998WO-US26658]
IC - B60T-017/00

1 / 1 LEGALI - ©EPO

PN - BR9813833 A 20040831 [BR9813833]
AP - BR9813833 19981216 [1998BR-0013833]
ACTE - 20041109 BR/B25A-A
ENTRY OF CHANGE OF NAME AND/OR HEADQUARTER AND
TRANSFER OF APPLICATION, PATENT AND CERTIFICATE OF
ADDITION OF INVENTION: TRANSFER GRANTED
BENDIX COMMERCIAL VEHICLE SYSTEMS LLC (US)

20050503 BR/B06A-A
TECHNICAL AND FORMAL REQUIREMENTS: REQUIREMENT -
ARTICLE 36 OF INDUSTRIAL PROPERTY LAW
UP - 2005-34

4 / 27 INPADOC - ©INPADOC

PN - CA 2314974 AA 19990624 [CA2314974]
TI - AIR DRYER RESERVOIR MODULE
MODULE RESERVOIR ET ASSECHEUR D'AIR
LA - ENG
IN - GOODELL DAVID J [US]; HOFFMAN FRED W [US]; QUINN LEONARD A
[US]
PA - ALLIED SIGNAL INC [US]
AP - CA 2314974/98-A 19981216 [1998CA-2314974]

PR - US 993931/97-A 19971218 [1997US-0993931]
WO 9826658/98(US)-W 19981216 [1998WO-US26658]
IC - B60T-017/00

1/1 LEGALI - ©EPO

PN - CA2314974 A1 19990624 [CA2314974]
AP - CA2314974 19981216 [1998CA-2314974]
ACTE - 20030403 CA/AFNE-A [+]
NATIONAL PHASE ENTRY
EFFECTIVE DATE: 20000616

20040108 CA/AFNE-A [+]
NATIONAL PHASE ENTRY
EFFECTIVE DATE: 20000616

20040108 CA/EEER-A [+]
EXAMINATION REQUEST
EFFECTIVE DATE: 20031127
UP - 2004-42

5/27 INPADOC - ©INPADOC

PN - CA 2321556 AA 19990902 [CA2321556]
TI - AIR DRYER RESERVOIR MODULE COMPONENTS
COMPOSANTS DE MODULE RESERVOIR ET DESSICCATEUR D'AIR
LA - ENG
IN - HOFFMAN FRED W [US]; QUINN LEONARD A [US]; GOODELL DAVID J
[US]
PA - ALLIED SIGNAL INC [US]
AP - CA 2321556/99-A 19990225 [1999CA-2321556]
PR - US 30583/98-A 19980225 [1998US-0030583]
WO 9904149/99(US)-W 19990225 [1999WO-US04149]
IC - B60T-017/00; F15B-001/26

1/1 LEGALI - ©EPO

PN - CA2321556 A1 19990902 [CA2321556]
AP - CA2321556 19990225 [1999CA-2321556]
ACTE - 20030403 CA/AFNE-A [+]
NATIONAL PHASE ENTRY
EFFECTIVE DATE: 20000825

20040129 CA/AFNE-A [+]
NATIONAL PHASE ENTRY
EFFECTIVE DATE: 20000825

20040129 CA/EEER-A [+]
EXAMINATION REQUEST
EFFECTIVE DATE: 20031223

UP - 2004-43

6/27 INPADOC - ©INPADOC

PN - CN 1284920 A 20010221 [CN1284920]
TI - Air Dryer reservoir module
IN - GOODELL D J [US]; HOFFMAN F W [US]; QUINN L A [US]
PA - ALLIED SIGNAL INC [US]
AP - CN 98813513/98-A 19981216 [1998CN-0813513]
PR - US 993931/97-A 19971218 [1997US-0993931]
IC - B60T-017/00

7/27 INPADOC - ©INPADOC

PN - DE 69819933 C0 20031224 [DE69819933]
TI - VORRATSBEHLTERMODUL FR EINEM LUFTTROCKNER
IN - GOODELL J [US]; HOFFMAN W [US]; QUINN A [US]
PA - BENDIX COMMERCIAL VEHICLES SYS [US]
AP - DE 69819933/98-A 19981216 [1998DE-6019933]
PR - US 993931/97-A 19971218 [1997US-0993931]
WO 9826658/98(US)-W 19981216 [1998WO-US26658]
IC - B60T-017/00

1/1 LEGALI - ©EPO

PN - DE69819933 D1 20031224 [DE69819933]DE69819933 T2 20040422
[DE69819933]
AP - DE69819933 19981216 [1998DE-6019933]
ACTE - 20041216 DE/8364-A [+]
NO OPPOSITION DURING TERM OF OPPOSITION
UP - 2004-51

8/27 INPADOC - ©INPADOC

PN - DE 69819933 T2 20040422 [DE69819933]
TI - VORRATSBEHLTERMODUL FR EINEM LUFTTROCKNER
IN - GOODELL J [US]; HOFFMAN W [US]; QUINN A [US]
PA - BENDIX COMMERCIAL VEHICLES SYS [US]
AP - DE 69819933/98-A 19981216 [1998DE-6019933]
PR - US 993931/97-A 19971218 [1997US-0993931]
WO 9826658/98(US)-W 19981216 [1998WO-US26658]
IC - B60T-017/00

1/1 LEGALI - ©EPO

PN - DE69819933 D1 20031224 [DE69819933]DE69819933 T2 20040422
[DE69819933]
AP - DE69819933 19981216 [1998DE-6019933]
ACTE - 20041216 DE/8364-A [+]
NO OPPOSITION DURING TERM OF OPPOSITION
UP - 2004-51

9/27 INPADOC - ©INPADOC

PN - DE 69916588 C0 20040527 [DE69916588]
TI - LUFTTROCKNER UND SPEICHER MODULE
IN - GOODELL J [US]; HOFFMAN W [US]; QUINN A [US]
PA - BENDIX COMMERCIAL VEHICLES SYS [US]
AP - DE 69916588/99-A 19990225 [1999DE-6016588]
PR - US 30583/98-A 19980225 [1998US-0030583]
WO 9904149/99(US)-W 19990225 [1999WO-US04149]
IC - B60T-017/00; F15B-001/26

1/1 LEGALI - ©EPO

PN - DE69916588 D1 20040527 [DE69916588]DE69916588 T2 20040812
[DE69916588]
AP - DE69916588 19990225 [1999DE-6016588]
ACTE - 20050414 DE/8363-A
OPPOSITION AGAINST THE PATENT
UP - 2005-15

10/27 INPADOC - ©INPADOC

PN - DE 69916588 T2 20040812 [DE69916588]
TI - LUFTTROCKNER UND SPEICHER MODULE
IN - GOODELL J [US]; HOFFMAN W [US]; QUINN A [US]
PA - BENDIX COMMERCIAL VEHICLES SYS [US]
AP - DE 69916588/99-A 19990225 [1999DE-6016588]
PR - US 30583/98-A 19980225 [1998US-0030583]
WO 9904149/99(US)-W 19990225 [1999WO-US04149]
IC - B60T-017/00; F15B-001/26

1/1 LEGALI - ©EPO

PN - DE69916588 D1 20040527 [DE69916588]DE69916588 T2 20040812
[DE69916588]
AP - DE69916588 19990225 [1999DE-6016588]

ACTE - 20050414 DE/8363-A
OPPOSITION AGAINST THE PATENT
UP - 2005-15

11 / 27 INPADOC - ©INPADOC

PN - EP 1037783 A1 20000927 [EP1037783]
TI - AIR DRYER RESERVOIR MODULE
MODULE RESERVOIR ET ASSECHEUR D'AIR
VORRATSBEHLTERMODUL FR EINEM LUFTTROCKNER
LA - ENG
IN - GOODELL DAVID J [US]; HOFFMAN FRED W [US]; QUINN LEONARD A
[US]
PA - ALLIED SIGNAL INC [US]
AP - EP 98963938/98-A 19981216 [1998EP-0963938]
PR - WO 9826658/98(US)-W 19981216 [1998WO-US26658]
US 993931/97-A 19971218 [1997US-0993931]
IC - B60T-017/00
DS - AT* BE* DE* ES* FR* GB* IT* NL* SE*

1 / 2 LEGALI - ©EPO

PN - AT254553 T 20031215 [ATE254553]
AP - AT98963938T 19981216 [1998AT-0963938]
ACTE - 20040515 AT/UEP-T [+] PUBLICATION OF TRANSLATION OF EUROPEAN PATENT
SPECIFICATION
(EP 1037783 0 [EP1037783])
UP - 2004-21

2 / 2 LEGALI - ©EPO

PN - EP1037783 A1 20000927 [EP1037783]EP1037783 B1 20031119 [EP1037783]
AP - EP98963938 19981216 [1998EP-0963938]
ACTE - 20000927 EP/AK-A [+] DESIGNATED CONTRACTING STATES:
AT BE DE ES FR GB IT NL SE

20000927 EP/17P-A [+] REQUEST FOR EXAMINATION FILED
EFFECTIVE DATE: 20000718

20020522 EP/RAP1-A APPLICANT REASSIGNMENT (CORRECTION)
OWNER: BENDIX COMMERCIAL VEHICLE SYSTEMS, LLC

20021023 EP/17Q-A [+]

FIRST EXAMINATION REPORT
EFFECTIVE DATE: 20020904

20031119 EP/AK-A [+]
DESIGNATED CONTRACTING STATES:
AT BE DE ES FR GB IT NL SE

20031119 EP/REG-A; GB/FG4D [+]
GB: EUROPEAN PATENT GRANTED
<GB>

20031224 EP/REF-A
CORRESPONDS TO:
(DE 69819933 20031224 [DE69819933])

20040701 EP/REG-A; ES/FG2A
ES: DEFINITIVE PROTECTION
(ES 2210857T3 0 [ES2210857])

20040730 EP/ET-A [+]
FR: TRANSLATION FILED

20041110 EP/26N-A [+]
NO OPPOSITION FILED
EFFECTIVE DATE: 20040820

20050802 EP/EUG-A [-]
SE: EUROPEAN PATENT HAS LAPSED

20050803 EP/GBPC-A
GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF
RENEWAL FEE
EFFECTIVE DATE: 20041216

20050901 EP/NLV4-A [-]
NL: LAPSED OR ANULLED DUE TO NON-PAYMENT OF THE ANNUAL
FEE
EFFECTIVE DATE: 20050701

UP - 2005-36

12 / 27 INPADOC - ©INPADOC

PN - EP 1060096 A1 20001220 [EP1060096]
TI - AIR DRYER RESERVOIR MODULE COMPONENTS
COMPOSANTS DE MODULE RESERVOIR ET DESSICCATEUR D'AIR
LUFTTROCKNER UND SPEICHER MODULE
LA - ENG
IN - GOODELL DAVID J [US]; HOFFMAN FRED W [US]; QUINN LEONARD A
[US]

PA - ALLIED SIGNAL INC [US]
AP - EP 99909616/99-A 19990225 [1999EP-0909616]
PR - WO 9904149/99(US)-W 19990225 [1999WO-US04149]
US 30583/98-A 19980225 [1998US-0030583]
IC - B60T-017/00; F15B-001/26
DS - DE* FR* GB* IT* NL* SE*

1 / 1 LEGALI - ©EPO

PN - EP1060096 A1 20001220 [EP1060096]EP1060096 B1 20040421 [EP1060096]
AP - EP99909616 19990225 [1999EP-0909616]

ACTE - 20001220 EP/AK-A [+]
DESIGNATED CONTRACTING STATES:
DE FR GB IT NL SE

20001220 EP/17P-A [+]
REQUEST FOR EXAMINATION FILED
EFFECTIVE DATE: 20000914

20020522 EP/RAP1-A
APPLICANT REASSIGNMENT (CORRECTION)
OWNER: BENDIX COMMERCIAL VEHICLE SYSTEMS, LLC

20030219 EP/17Q-A [+]
FIRST EXAMINATION REPORT
EFFECTIVE DATE: 20030107

20040421 EP/AK-A [+]
DESIGNATED CONTRACTING STATES:
DE FR GB IT NL SE

20040421 EP/REG-A; GB/FG4D [+]
GB: EUROPEAN PATENT GRANTED
<GB>

20040527 EP/REF-A
CORRESPONDS TO:
(DE 69916588 20040527 [DE69916588])

20050114 EP/ET-A
FR: TRANSLATION FILED

20050309 EP/26-A
OPPOSITION FILED
OPPONENT: HALDEX BRAKE PRODUCTS GMBH; EFFECTIVE DATE:
20050107

20050502 EP/NLR1-A
NL: OPPOSITION HAS BEEN FILED WITH THE EPO

OPPONENT: HALDEX BRAKE PRODUCTS GMBH

UP - 2005-18

13/27 INPADOC - ©INPADOC

PN - EP 1037783 B1 20031119 [EP1037783]
TI - AIR DRYER RESERVOIR MODULE
MODULE RESERVOIR ET ASSECHEUR D'AIR
VORRATSBEHLTERMODUL FR EINEM LUFTTROCKNER
LA - ENG
IN - GOODELL DAVID J [US]; HOFFMAN FRED W [US]; QUINN LEONARD A [US]
PA - BENDIX COMMERCIAL VEHICLES SYS [US]
AP - EP 98963938/98-A 19981216 [1998EP-0963938]
PR - WO 9826658/98(US)-W 19981216 [1998WO-US26658]
US 993931/97-A 19971218 [1997US-0993931]
IC - B60T-017/00
DS - AT* BE* DE* ES* FR* GB* IT* NL* SE*

1/2 LEGALI - ©EPO

PN - AT254553 T 20031215 [ATE254553]
AP - AT98963938T 19981216 [1998AT-0963938]
ACTE - 20040515 AT/UEP-T [+] PUBLICATION OF TRANSLATION OF EUROPEAN PATENT SPECIFICATION (EP 1037783 0 [EP1037783])
UP - 2004-21

2/2 LEGALI - ©EPO

PN - EP1037783 A1 20000927 [EP1037783]EP1037783 B1 20031119 [EP1037783]
AP - EP98963938 19981216 [1998EP-0963938]
ACTE - 20000927 EP/AK-A [+] DESIGNATED CONTRACTING STATES: AT BE DE ES FR GB IT NL SE
20000927 EP/17P-A [+] REQUEST FOR EXAMINATION FILED EFFECTIVE DATE: 20000718
20020522 EP/RAP1-A APPLICANT REASSIGNMENT (CORRECTION) OWNER: BENDIX COMMERCIAL VEHICLE SYSTEMS, LLC
20021023 EP/17Q-A [+] FIRST EXAMINATION REPORT

EFFECTIVE DATE: 20020904

20031119 EP/AK-A [+]
DESIGNATED CONTRACTING STATES:
AT BE DE ES FR GB IT NL SE

20031119 EP/REG-A; GB/FG4D [+]
GB: EUROPEAN PATENT GRANTED
<GB>

20031224 EP/REF-A
CORRESPONDS TO:
(DE 69819933 20031224 [DE69819933])

20040701 EP/REG-A; ES/FG2A
ES: DEFINITIVE PROTECTION
(ES 2210857T3 0 [ES2210857])

20040730 EP/ET-A [+]
FR: TRANSLATION FILED

20041110 EP/26N-A [+]
NO OPPOSITION FILED
EFFECTIVE DATE: 20040820

20050802 EP/EUG-A [-]
SE: EUROPEAN PATENT HAS LAPSED

20050803 EP/GBPC-A
GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF
RENEWAL FEE
EFFECTIVE DATE: 20041216

20050901 EP/NLV4-A [-]
NL: LAPSED OR ANULLED DUE TO NON-PAYMENT OF THE ANNUAL
FEE
EFFECTIVE DATE: 20050701

UP - 2005-36

14 / 27 INPADOC - ©INPADOC

PN - EP 1060096 B1 20040421 [EP1060096]
TI - AIR DRYER RESERVOIR MODULE COMPONENTS
COMPOSANTS DE MODULE RESERVOIR ET DESSICCATEUR D'AIR
LUFTTROCKNER UND SPEICHER MODULE
LA - ENG
IN - GOODELL DAVID J [US]; HOFFMAN FRED W [US]; QUINN LEONARD A
[US]
PA - BENDIX COMMERCIAL VEHICLES SYS [US]

AP - EP 99909616/99-A 19990225 [1999EP-0909616]
PR - WO 9904149/99(US)-W 19990225 [1999WO-US04149]
US 30583/98-A 19980225 [1998US-0030583]
IC - B60T-017/00; F15B-001/26
DS - DE* FR* GB* IT* NL* SE*

1/1 LEGALI - ©EPO

PN - EP1060096 A1 20001220 [EP1060096]EP1060096 B1 20040421 [EP1060096]

AP - EP99909616 19990225 [1999EP-0909616]

ACTE - 20001220 EP/AK-A [+]
DESIGNATED CONTRACTING STATES:
DE FR GB IT NL SE

20001220 EP/17P-A [+]
REQUEST FOR EXAMINATION FILED
EFFECTIVE DATE: 20000914

20020522 EP/RAP1-A
APPLICANT REASSIGNMENT (CORRECTION)
OWNER: BENDIX COMMERCIAL VEHICLE SYSTEMS, LLC

20030219 EP/17Q-A [+]
FIRST EXAMINATION REPORT
EFFECTIVE DATE: 20030107

20040421 EP/AK-A [+]
DESIGNATED CONTRACTING STATES:
DE FR GB IT NL SE

20040421 EP/REG-A; GB/FG4D [+]
GB: EUROPEAN PATENT GRANTED
<GB>

20040527 EP/REF-A
CORRESPONDS TO:
(DE 69916588 20040527 [DE69916588])

20050114 EP/ET-A
FR: TRANSLATION FILED

20050309 EP/26-A
OPPOSITION FILED
OPPONENT: HALDEX BRAKE PRODUCTS GMBH; EFFECTIVE DATE:
20050107

20050502 EP/NLR1-A
NL: OPPOSITION HAS BEEN FILED WITH THE EPO
OPPONENT: HALDEX BRAKE PRODUCTS GMBH

UP - 2005-18

15 / 27 INPADOC - ©INPADOC

PN - EP 1452416 A2 20040901 [EP1452416]
TI - Air dryer reservoir module
Module reservoir et assecheur d'air
Vorratsbehältermodul für einen Lufttrockner
LA - ENG
IN - GOODELL DAVID J [US]; HOFFMAN FRED W [US]; QUINN LEONARD A [US]
PA - BENDIX COMMERCIAL VEHICLE SYS [US]
AP - EP 04076168/04-A 19990225 [2004EP-0076168]
PR - EP 99909616/99-A3 19990225 [1999EP-0909616]
US 30583/98-A 19980225 [1998US-0030583]
IC - B60T-017/00
DS - DE* FR* GB* IT* NL* SE*

1 / 1 LEGALI - ©EPO

PN - EP1452416 A2 20040901 [EP1452416]EP1452416 A3 20040908 [EP1452416]
AP - EP04076168 19990225 [2004EP-0076168]

ACTE - 20040901 EP/AC-A
DIVISIONAL APPLICATION (ART. 76) OF:
(EP 1060096 0 [EP1060096])

20040901 EP/AK-A [+]
DESIGNATED CONTRACTING STATES:
DE FR GB IT NL SE

20040908 EP/AK-A [+]
DESIGNATED CONTRACTING STATES:
DE FR GB IT NL SE

20041013 EP/RIN1-A
INVENTOR (CORRECTION)
GOODELL, DAVID J

20041013 EP/RIN1-A
INVENTOR (CORRECTION)
HOFFMAN, FRED W

20041013 EP/RIN1-A
INVENTOR (CORRECTION)
QUINN, LEONARD A

20041027 EP/RIN1-A
INVENTOR (CORRECTION)

GOODELL, DAVID J

20041027 EP/RIN1-A
INVENTOR (CORRECTION)
HOFFMAN, FRED W

20041027 EP/RIN1-A
INVENTOR (CORRECTION)
QUINN, LEONARD A

20050504 EP/17P-A
REQUEST FOR EXAMINATION FILED
EFFECTIVE DATE: 20050307

20050525 EP/AKX-A [+]
PAYMENT OF DESIGNATION FEES
DE FR GB IT NL SE

20050817 EP/17Q-A [+]
FIRST EXAMINATION REPORT
EFFECTIVE DATE: 20050704

UP - 2005-33

16 / 27 INPADOC - ©INPADOC

PN - EP 1452416 A3 20040908 [EP1452416]
TI - Air dryer reservoir module
Module reservoir et assecheur d'air
Vorratsbehältermodul für einen Lufttrockner
LA - ENG
IN - GOODELL DAVID J [US]; HOFFMAN FRED W [US]; QUINN LEONARD A [US]
PA - BENDIX COMMERCIAL VEHICLE SYS [US]
AP - EP 04076168/04-A 19990225 [2004EP-0076168]
PR - EP 99909616/99-A3 19990225 [1999EP-0909616]
US 30583/98-A 19980225 [1998US-0030583]
IC - B60T-017/00
DS - DE* FR* GB* IT* NL* SE*

1 / 1 LEGALI - ©EPO

PN - EP1452416 A2 20040901 [EP1452416]EP1452416 A3 20040908 [EP1452416]
AP - EP04076168 19990225 [2004EP-0076168]
ACTE - 20040901 EP/AC-A
DIVISIONAL APPLICATION (ART. 76) OF:
(EP 1060096 0 [EP1060096])
20040901 EP/AK-A [+]

DESIGNATED CONTRACTING STATES:
DE FR GB IT NL SE

20040908 EP/AK-A [+]
DESIGNATED CONTRACTING STATES:
DE FR GB IT NL SE

20041013 EP/RIN1-A
INVENTOR (CORRECTION)
GOODELL, DAVID J

20041013 EP/RIN1-A
INVENTOR (CORRECTION)
HOFFMAN, FRED W

20041013 EP/RIN1-A
INVENTOR (CORRECTION)
QUINN, LEONARD A

20041027 EP/RIN1-A
INVENTOR (CORRECTION)
GOODELL, DAVID J

20041027 EP/RIN1-A
INVENTOR (CORRECTION)
HOFFMAN, FRED W

20041027 EP/RIN1-A
INVENTOR (CORRECTION)
QUINN, LEONARD A

20050504 EP/17P-A
REQUEST FOR EXAMINATION FILED
EFFECTIVE DATE: 20050307

20050525 EP/AKX-A [+]
PAYMENT OF DESIGNATION FEES
DE FR GB IT NL SE

20050817 EP/17Q-A [+]
FIRST EXAMINATION REPORT
EFFECTIVE DATE: 20050704

UP - 2005-33

17 / 27 INPADOC - ©INPADOC

PN - ES 2210857 T3 20040701 [ES2210857]
TI - MODULO DE DEPOSITO SECADOR DE AIRE.
IN - GOODELL DAVID J [US]; HOFFMAN FRED W [US]; QUINN LEONARD A [US]

PA - BENDIX COMMERCIAL VEHICLES SYS
AP - ES 98963938/98-EP 19981216 [1998EP-0963938]
PR - US 993931/97-A 19971218 [1997US-0993931]
IC - B60T-017/00

18 / 27 INPADOC - ©INPADOC

PN - JP 2002504459 T2 20020212 [JP2002504459]
AP - JP 2000533299/00-A 19990225 [2000JP-0533299]
PR - US 30583/98-A 19980225 [1998US-0030583]
WO 9904149/99(US)-W 19990225 [1999WO-US04149]
IC - B60T-017/00

19 / 27 INPADOC - ©INPADOC

PN - JP 2002508278 T2 20020319 [JP2002508278]
AP - JP 2000538902/00-A 19981216 [2000JP-0538902]
PR - US 993931/97-A 19971218 [1997US-0993931]
WO 9826658/98(US)-W 19981216 [1998WO-US26658]
IC - B60T-017/00

20 / 27 INPADOC - ©INPADOC

PN - US 6074462 A 20000613 [US6074462]
TI - Air dryer reservoir module components
IN - QUINN LEONARD A [US]; HOFFMAN FRED W [US]; GOODELL DAVID J [US]
PA - ALLIEDSIGNAL TRUCK BRAKE SYST [US]
AP - US 30583/98-A 19980225 [1998US-0030583]
PR - US 30583/98-A 19980225 [1998US-0030583]
US 993931/97-A2 19971218 [1997US-0993931]
IC - B01D-053/04; B01D-053/26

21 / 27 INPADOC - ©INPADOC

PN - US 2001052291 AA 20011220 [US20010052291]
TI - Air dryer reservoir module components
IN - QUINN LEONARD A [US]; HOFFMAN FRED W [US]; GOODELL DAVID J [US]
PA - QUINN LEONARD A [US]; HOFFMAN FRED W [US]; GOODELL DAVID J [US]
AP - US 571897/00-A 20000516 [2000US-0571897]
PR - US 571897/00-A 20000516 [2000US-0571897]
US 30583/98-A1 19980225 [1998US-0030583]
US 993931/97-A2 19971218 [1997US-0993931]
IC - B01D-053/02

1 / 1 LEGALI - ©EPO

PN - US2001052291 A1 20011220 [US20010052291]US6585806 B2 20030701
[US6585806]

AP - US57189700 20000516 [2000US-0571897]

ACTE - 20030430 US/AS-A
ASSIGNMENT
OWNER: HONEYWELL COMMERCIAL VEHICLE SYSTEMS COMPANY
901 C; EFFECTIVE DATE: 19991214
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:ALLIEDSIGNAL
TRUCK BRAKE SYSTEMS COMPANY;REEL/FRAME:013613/0894

20030501 US/AS-A
ASSIGNMENT
OWNER: BENDIX COMMERCIAL VEHICLE SYSTEMS LLC 901
CLEVELAN; EFFECTIVE DATE: 20020111
CHANGE OF NAME;ASSIGNOR:HONEYWELL COMMERCIAL VEHICLE
SYSTEMS COMPANY;REEL/FRAME:013618/0144

20040203 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 20031124

UP - 2005-03

22 / 27 INPADOC - ©INPADOC

PN - US 6585806 BB 20030701 [US6585806]

TI - Air dryer reservoir module components

IN - QUINN LEONARD A [US]; HOFFMAN FRED W [US]; GOODELL DAVID J
[US]

PA - BENDIX COMMERCIAL VEHICLE SYS [US]

AP - US 571897/00-A 20000516 [2000US-0571897]

PR - US 571897/00-A 20000516 [2000US-0571897]
US 30583/98-A1 19980225 [1998US-0030583]
US 993931/97-A2 19971218 [1997US-0993931]

IC - B01D-053/04; B01D-053/26

1 / 1 LEGALI - ©EPO

PN - US2001052291 A1 20011220 [US20010052291]US6585806 B2 20030701
[US6585806]

AP - US57189700 20000516 [2000US-0571897]

ACTE - 20030430 US/AS-A
ASSIGNMENT
OWNER: HONEYWELL COMMERCIAL VEHICLE SYSTEMS COMPANY
901 C; EFFECTIVE DATE: 19991214
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:ALLIEDSIGNAL

TRUCK BRAKE SYSTEMS COMPANY;REEL/FRAME:013613/0894

20030501 US/AS-A

ASSIGNMENT

OWNER: BENDIX COMMERCIAL VEHICLE SYSTEMS LLC 901

CLEVELAN; EFFECTIVE DATE: 20020111

CHANGE OF NAME;ASSIGNOR:HONEYWELL COMMERCIAL VEHICLE
SYSTEMS COMPANY;REEL/FRAME:013618/0144

20040203 US/RF-A

REISSUE APPLICATION FILED

EFFECTIVE DATE: 20031124

UP - 2005-03

23 / 27 INPADOC - ©INPADOC

PN - US 2004045436 AA 20040311 [US20040045436]
TI - AIR DRYER MODULE
IN - QUINN LEONARD A [US]; HOFFMAN FRED W [US]; GOODELL DAVID J [US]
PA - BENDIX COMMERCIAL VEHICLE SYS [US]
AP - US 607566/03-A 20030626 [2003US-0607566]
PR - US 607566/03-A 20030626 [2003US-0607566]
US 571897/00-A1 20000516 [2000US-0571897]
US 30583/98-A1 19980225 [1998US-0030583]
US 993931/97-A2 19971218 [1997US-0993931]
IC - B01D-053/02

24 / 27 INPADOC - ©INPADOC

PN - US 6858066 BB 20050222 [US6858066]
TI - Air dryer module
IN - QUINN LEONARD A [US]; HOFFMAN FRED W [US]; GOODELL DAVID J [US]
PA - BENDIX COMMERCIAL VEHICLE SYS [US]
AP - US 607566/03-A 20030626 [2003US-0607566]
PR - US 607566/03-A 20030626 [2003US-0607566]
US 571897/00-A1 20000516 [2000US-0571897]
US 30583/98-A1 19980225 [1998US-0030583]
US 993931/97-A2 19971218 [1997US-0993931]
IC - B01D-053/04; B01D-053/26

25 / 27 INPADOC - ©INPADOC

PN - US 5917139 A 19990629 [US5917139]
TI - Air dryer reservoir module
IN - GOODELL DAVID J [US]; HOFFMAN FRED W [US]; QUINN LEONARD A

[US]

PA - ALLIEDSIGNAL TRUCK BRAKE SYST [US]
AP - US 993931/97-A 19971218 [1997US-0993931]
PR - US 993931/97-A 19971218 [1997US-0993931]
IC - B01D-053/04; B01D-053/26

1/1 LEGALI - ©EPO

PN - US5917139 A 19990629 [US5917139]
AP - US99393197 19971218 [1997US-0993931]
ACTE - 19971218 US/AS02-A
ASSIGNMENT OF ASSIGNOR'S INTEREST
OWNER: ALLIEDSIGNAL TRUCK BRAKE SYSTEMS COMPANY 901
CLEVE; EFFECTIVE DATE: 19971216

19971218 US/AS02-A
ASSIGNMENT OF ASSIGNOR'S INTEREST
OWNER: GOODELL, DAVID J.; EFFECTIVE DATE: 19971216

19971218 US/AS02-A
ASSIGNMENT OF ASSIGNOR'S INTEREST
OWNER: HOFFMAN, FRED W.; EFFECTIVE DATE: 19971209

19971218 US/AS02-A
ASSIGNMENT OF ASSIGNOR'S INTEREST
OWNER: QUINN, LEONARD A.; EFFECTIVE DATE: 19971209

UP - 2003-22

26/27 INPADOC - ©INPADOC

PN - WO 9930947 A1 19990624 [WO9930947]
TI - AIR DRYER RESERVOIR MODULE
MODULE RESERVOIR ET ASSECHEUR D'AIR
LA - ENG
IN - GOODELL DAVID J; HOFFMAN FRED W; QUINN LEONARD A
PA - ALLIED SIGNAL INC [US]
AP - WO US 9826658/98(US)-A 19981216 [1998WO-US26658]
PR - US 993931/97-A 19971218 [1997US-0993931]
IC - B60T-017/00
DS - BR* CA* CN* JP* MX* AT BE CH CY DE DK ES FI FR GB GR IE IT LU
MC NL PT SE

1/1 LEGALI - ©EPO

PN - WO9930947 A1 19990624 [WO9930947]
AP - WO9826658 19981216 [1998WO-US26658]
ACTE - 19990624 WO/AK [+]

DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH
SEARCH REPORT
BR CA CN JP MX

19990624 WO/AL [+]
DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A
PUBLISHED APPLICATION WITH SEARCH REPORT
AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

19990825 WO/121
EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS
DESIGNATED IN THIS APPLICATION

19990923 WO/DFPE
REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO
EXPIRATION OF 19TH MONTH FROM PRIORITY DATE

19990930 WO/DFPE
REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO
EXPIRATION OF 19TH MONTH FROM PRIORITY DATE

20000616 WO/ENP
ENTRY INTO THE NATIONAL PHASE IN:
CA 2314974A [1998CA-2314974]

20000619 WO/ENP
ENTRY INTO THE NATIONAL PHASE IN:
JP 2000 538902A [2000JP-0538902]

UP - 2003-22

27 / 27 INPADOC - ©INPADOC

PN - WO 9943527 A1 19990902 [WO9943527]
TI - AIR DRYER RESERVOIR MODULE COMPONENTS
COMPOSANTS DE MODULE RESERVOIR ET DESSICCATEUR D'AIR
LA - ENG
IN - GOODELL DAVID J; HOFFMAN FRED W; QUINN LEONARD A
PA - ALLIED SIGNAL INC [US]
AP - WO US 9904149/99(US)-A 19990225 [1999WO-US04149]
PR - US 30583/98-A 19980225 [1998US-0030583]
IC - B60T-017/00; F15B-001/26
DS - BR* CA* JP* MX* AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL
PT SE

1 / 1 LEGALI - ©EPO

PN - WO9943527 A1 19990902 [WO9943527]
AP - WO9904149 19990225 [1999WO-US04149]

ACTE - 19990902 WO/AK [+]
DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH
SEARCH REPORT
BR CA JP MX

19990902 WO/AL [+]
DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A
PUBLISHED APPLICATION WITH SEARCH REPORT
AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

19991103 WO/121
EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS
DESIGNATED IN THIS APPLICATION

19991111 WO/DFPE
REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO
EXPIRATION OF 19TH MONTH FROM PRIORITY DATE

20000825 WO/ENP
ENTRY INTO THE NATIONAL PHASE IN:
CA 2321556A [1999CA-2321556]

20000825 WO/ENP
ENTRY INTO THE NATIONAL PHASE IN:
JP 2000 533299A [2000JP-0533299]

UP - 2003-22

Search statement 4

PATNO IS 6585806

DATE: SEPTEMBER 13, 2005
LIBRARY: PATENT
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PATNO IS 6585806

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For further explanation, press the H key (for HELP) and then the ENTER key.

LEVEL 1 - 1 PATENT

1. 6585806 , July 1, 2003 , Air dryer reservoir module components, Quinn, Leonard A. - Elyria, Ohio; Hoffman, Fred W. - Columbia Station, Ohio; Goodell, David J. - Beaverton, Oregon, 571897 (09), Bendix Commercial Vehicle Systems LLC, Elyria, Ohio, 02, April 30, 2003 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., HONEYWELL COMMERCIAL VEHICLE SYSTEMS COMPANY 901 CLEVELAND STREET ELYRIA OHIO 44035, Reel and Frame Number: 13613/0894 May 1, 2003 - CHANGE OF NAME (SEE DOCUMENT FOR DETAILS)., BENDIX COMMERCIAL VEHICLE SYSTEMS LLC 901 CLEVELAND STREET ELYRIA OHIO 44035, Reel and Frame Number: 13618/0144

CORE TERMS: reservoir, dryer, secondary, module, valve, purge, pneumatic, compressed air, compressor, volume ...

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

6585806

July 1, 2003

Air dryer reservoir module components

REISSUE: November 24, 2003 - Reissue Application filed Ex. Gp.: 1724; Re. S.N.
10/721,023 (O.G. February 3, 2004)

APPL-NO: 571897 (09)

FILED-DATE: May 16, 2000

GRANTED-DATE: July 1, 2003

CORE TERMS: reservoir, dryer, secondary, module, valve, purge, pneumatic,
compressed air, compressor, volume ...

6585806 OR 6,585,806

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Patent Search - Number: 6585806

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